

FIG. 4

ja yes

nein no

Nutzerinfo user information

I.1 receive S_{NK}

I.2 examination

I.3 determine GP

I.4 open user community?

I.5 unrestricted admission of other users possible

I.6 admission of other users only by invitation

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FIG. 5

ja yes
nein no

II.1 determine provisional GP
II.2 identify potential community members
II.3 send S_{GA} to potential members
II.4 sufficient number of S_{GZ} received?
II.5 update NPs and GP

5

FIG. 6

ja yes
nein no
Nutzerinfo user information
III.1 user sends S_{GZ}
III.2 examination of inquiry
III.3 update NP and GP

FIG. 7

ja yes
nein no
IV.1 send S_{GA} to specific user
IV.2 S_{GZ} received from the user?
5 IV.3 update NP and GP

FIG. 8

ja yes

nein no

V.1 received PI_Z

For each user of the
5 user community

V.2 program content selection unit checks PI_Z

V.3 integrate PI_Z into PNS

FIG. 9

- ja yes
- nein no
- 5 VI.1 receive S_{UA} for PI_g
- VI.2 send S_{BA} for PI_g
- VI.3 BD received from user A
- BD received from user B
- BD received from user X
- VI.4 determine W_{GP} for PI_g
- VI.5 $W_{GP} > W_S$?
- 10 VI.6 send PI_g to other users
- VI.7 program content selection unit checks PI_g
- VI.8 Integrate PI_g into PNS

FIG. 10

- General program contents
- General community-specific program contents
- Program contents generated for user community
- Program contents sent
- Program contents with positive rating
- Time-critical program contents
- Program contents generated for user

User-specific program optimization (prioritization on the basis of NP and GP)

- Time-critical program contents
- Program contents generated for user
- Program contents generated for user community
- Program contents with positive rating
- Program contents sent
- General community-specific program contents
- General program contents